

## ABSTRACT

A method and system for providing a secure data storage system is disclosed. The secure data storage system includes a processor and a disk drive system that is partitioned into one or more logical partitions. A backup partition is also created, which is hidden from the processor and used to back up the logical partitions. On system reboot, the low-level physical drive write commands are automatically blocked, thereby preventing a virus from making use of the physical drive write commands to destroy data on the logical partitions and the backup partition.